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## Impacts of a 25-Percent Renewable Electricity Standard as Proposed in the American Clean Energy and Security Act Discussion Draft

**Table 1. Summary Results**

	2007	2020			2025			2030		
Generation (billion kilowatthours)	Reference	Reference	RESFEC	RESNEC	Reference	RESFEC	RESNEC	Reference	RESFEC	RESNEC
Coal	2021	2198	2160	2090	2202	2076	2005	2311	2129	2054
Petroleum	66	49	49	49	49	50	49	50	50	50
Natural Gas	892	714	709	672	908	839	774	976	921	826
Nuclear	806	876	876	869	882	881	872	890	876	859
Conventional Hydropower	248	299	298	297	299	298	297	300	298	298
Geothermal	15	22	23	26	22	25	28	24	25	31
Municipal Waste	16	24	26	28	24	27	28	24	28	28
Wood and Other Biomass	39	139	178	263	197	359	460	218	438	577
Solar	1	20	20	20	21	22	23	23	30	31
Wind	32	203	204	227	207	207	248	208	208	249
Other	22	28	28	28	29	29	28	29	29	28
Total Generation	4159	4573	4571	4571	4840	4813	4813	5055	5032	5031
<b>Prices (cents per kilowatthour)</b>										
Credit Price	0.0	0.0	0.6	1.7	0.0	5.0	5.0	0.0	2.5	3.5
Electricity Price	9.1	9.3	9.3	9.3	9.5	9.7	9.8	10.1	10.1	10.1
<b>RPS Compliance</b>										
Total Electricity Sales (billion kilowatthours)	3747	4127	4124	4125	4348	4327	4320	4527	4500	4495
Covered Baseline <sup>1</sup>	NA	NA	3355	3357	NA	3358	3352	NA	3731	3727
Credits Required (percent of total sales)	0.0	0.0	11.4	14.2	0.0	16.5	20.6	0.0	16.5	20.7
Credits Achieved (percent of total sales)	0.0	0.0	11.2	14.0	0.0	14.9	18.3	0.0	16.3	20.4
Eligible Generation Achieved (percent of total electricity sales)	0.0	0.0	10.9	13.7	0.0	14.8	18.2	0.0	16.2	20.4
Electricity Sector Carbon Dioxide (million metric tons)	2,433	2,466	2,426	2,341	2,533	2,382	2,287	2,639	2,444	2,333

<sup>1</sup>Defined as total electricity sales minus sales from exempt small retailers, minus hydroelectric generation and minus non-landfill gas municipal solid waste generation.  
Source: Energy Information Administration, National Energy Modeling System runs, STIMULUS.D041409A, WAXRPS.D041609A, AND WAXRPSNE.D041609C.